

1-Chip DLP™ Projectors

PT-FRZ60 / PT-FRZ50

Note: Product availability varies by country or region.

Color-rich DLP™ Projectors
Offer Dynamic Pictures with
Flexible Integration into
Classroom, Office, or Exhibition



White Models

Black Models

■ Main Features

01 | Vibrant Color for Bright Rooms

DLP™ imaging technology, Quartet Color Harmonizer, Rich Color Enhancer, and digitally modulated Dynamic Contrast 2 setting optimization combine to create images of surpassing brightness, color, and clarity, even in well-lit open spaces.

02 | Quiet, Versatile, and Easy to Install

Flexible 2.0x optical zoom and wide-range lens shift adapts projection to various layouts, while 4K DIGITAL LINK¹, CEC command-compatible² HDMI™ inputs, and separate LAN terminal streamline integration. Operation is almost inaudible at just 27 dB³, ideal for quiet spaces.

03 | Proven SOLID SHINE Laser Reliability

Efficient heat-pipe cooling for the laser modules and heat-sinks for the dust-resistant optical engine enable a filterless design for 20,000 hours⁴ of reliable, maintenance-free projection. Multi-Laser Drive Engine⁵ has Failover Circuitry⁶ to reduce brightness loss should a laser diode fail.

	PT-FRZ60	PT-FRZ50
Light Output	6,000 lm ⁷ / 6,000 lm (ANSI) ⁸ / 6,200 lm (Center) ⁹	5,200 lm ⁷ / 5,200 lm (ANSI) ⁸ / 5,400 lm (Center) ⁹
Resolution	WUXGA (1920 x 1200 pixels)	



¹ Signals with a different resolution are converted to the projector's resolution (1920 x 1200 pixels) upon projection. YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. ² Depending on the connected CEC command-compatible device, the link control may not operate normally. ³ For the PT-FRZ50 only in QUIET Mode (32 dB in NORMAL Mode). PT-FRZ60: 30 dB (QUIET Mode), 35 dB (NORMAL Mode). ⁴ Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic Projector & Display Corporation recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. ⁵ Rate of brightness decrease varies depending on projector model. ⁶ Specifications vary depending on projector model. ⁷ When [PICTURE MODE] is set to [DYNAMIC], [DAYLIGHT VIEW] is set to [OFF], [DYNAMIC CONTRAST] is set to [OFF], [LIGHT OUTPUT] is set to [100%], and [AUTO POWER SAVE] is set to [OFF]. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ⁸ When [PICTURE MODE] is set to [DYNAMIC], [DAYLIGHT VIEW] is set to [OFF], [DYNAMIC CONTRAST] is set to [OFF], [LIGHT OUTPUT] is set to [100%], and [AUTO POWER SAVE] is set to [OFF]. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ⁹ Average light-output value of all shipped products measured at the center of the screen.

Vivid Color, Deep Contrast

Quartet Color Harmonizer and Rich Color Enhancer are original color-wheel technologies that optimize white expression, expand red-channel output, and balance brightness for vivid, accurate color in any environment. DLP™ imaging ensures uniform color across single or multi-screen setups, while Dynamic Contrast 2 setting analyzes input signals frame by frame for deep, dynamic contrast, even in scenes with rapid brightness shifts.

Smooth System Integration

Support for 4K/60p signals¹ streamlines integration into a 4K display network, while CEC command-compatible² HDMI™ and USB DC outlet enables self-contained connection of the optional Wireless Presentation System PressIT³. Separate LAN for control frees 4K DIGITAL LINK⁴ for video transmission.

¹ Signals with a different resolution converted to the projector's resolution (1920 x 1200 pixels) upon projection. YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. ² Depending on the connected CEC command-compatible device, the link control may not operate normally. ³ Optional Wireless Presentation System PressIT is sold separately. Availability may vary by country or region. For more information, please visit our global website. ⁴ Rate of brightness decrease varies depending on projector model. ⁵ Specifications vary depending on projector model. ⁶ Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic Projector & Display Corporation recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. ⁷ For the PT-FRZ50 only in QUIET Mode (32 dB in NORMAL Mode). PT-FRZ60: 30 dB (QUIET Mode), 35 dB (NORMAL Mode).

Specifications

Model		PT-FRZ60	PT-FRZ50
Projector type		1-Chip DLP™ projector	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)	
	Number of pixels	2,304,000 (1920 x 1200 pixels)	
Light source		Laser diodes	
Light output ¹		6,000 lm ² / 6,000 lm (ANSI) ³ / 6,200 lm (Center) ⁴	5,200 lm ² / 5,200 lm (ANSI) ³ / 5,400 lm (Center) ⁴
Time until light output declines to 50 % ⁵		20,000 hours (NORMAL)	
Resolution		1920 x 1200 pixels	
Contrast ratio ²		20,000:1 (Full On/Full Off, Picture Mode: Dynamic, Dynamic Contrast 1, Operating Mode: NORMAL)	
Screen size (diagonal)		1.02–7.62 m (40–300 in), 16:10 aspect ratio	
Center-to-corner zone ratio ²		90 %	
Lens		2.0x manual zoom (throw ratio: 1.46–2.94:1), manual focus, F 2.0–3.4, f 21.5–43.0 mm	
Lens shift (From the origin point of the lens mounter)	Vertical	+64 %, -44 % (manual)	
	Horizontal	+34 %, -27 % (manual)	
Keystone correction range		Vertical: ±40 °, Horizontal: ±20 °	
Terminals	HDMI™ 1/2 IN	HDMI™ 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input ⁶), CEC supported	
	COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)	
	COMPUTER 2 IN/1 OUT	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)	
	VIDEO IN	Pin jack x 1 (composite video)	
	AUDIO 1 IN	Pin jack x 1 (L, R)	
	AUDIO 2/3 IN	M3 x 1/M3 x 1	
	AUDIO OUT	M3 x 1 (Variable)	
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PJLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.3 compatible, Deep Color compatible, 4K/60p signal input ⁶	
	LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible	
USB		USB connector (Type A) x 1 (Output 5 V/2 A)	
Power supply		Single-phase AC 100–240 V, 50/60 Hz	
Power consumption		540 W	465 W
Operation noise ²		30 dB (QUIET), 35 dB (NORMAL)	27 dB (QUIET), 32 dB (NORMAL)
Dimensions (W x H x D)		498 x 168 ⁷ x 492 mm (19 ^{5/8} x 6 ^{5/8} x 19 ^{3/8})	
Weight ⁸		Approx. 16.1 kg (35.5 lbs)	Approx. 16.0 kg (35.3 lbs)
Operating environment		Operating temperature: 0–45 °C (32–113 °F) ⁹ , operating humidity: 10–80 % (no condensation)	
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software	

¹ When [PICTURE MODE] is set to [DYNAMIC], [DAYLIGHT VIEW] is set to [OFF], [DYNAMIC CONTRAST] is set to [OFF], [LIGHT OUTPUT] is set to [100%], and [AUTO POWER SAVE] is set to [OFF]. ² Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ³ Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ⁴ Average light-output value of all shipped products measured at the center of the screen. ⁵ Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. ⁶ 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI™. ⁷ With legs at shortest position. ⁸ Average value. May differ depending on the actual unit. ⁹ The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft). In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 2,700 m (8,858 ft) and ambient temperature is 30 °C (86 °F); and when the projector is used at altitudes between 2,700 m (8,858 ft) and 4,200 m (13,780 ft) exclusive and ambient temperature is 25 °C (77 °F) or higher.

Optional Accessories

- **Ceiling Mount Bracket**
ET-PKD120H (for high ceiling) / ET-PKD120S (for low ceiling)
Note: ET-PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).
- **Projector Mount Bracket**
ET-PKD130B

- **ET-FMP50 Series Media Processors**
ET-FMP50 / ET-FMP20
Note: For more information, please visit:
<https://docs.connect.panasonic.com/projector/products/fmp50/>.

- **Wireless Presentation System PressIT**
TY-WPS2 (basic set)
Note: Visit <https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/> for more information.

Panasonic

Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability may vary by country or region. This product may be subject to export control regulations. DLP, DLP logo and DLP Medallion logo are trademarks or registered trademarks of Texas Instruments. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. Trademark PJLink is a trademark applied for trademark rights in Japan, the United States of America and other countries and areas. "Panasonic" is a registered trademark of Panasonic Holdings Corporation and is used under license from Panasonic Holdings Corporation. SOLID SHINE and PressIT are trademarks of Panasonic Projector & Display Corporation. All other trademarks are the property of their respective trademark owners. © Panasonic Projector & Display Corporation 2025.



For more information about Panasonic projectors, please visit:
Projector Global Website – <https://docs.connect.panasonic.com/projector/>
Facebook – www.facebook.com/panasonicprojectoranddisplay
YouTube – www.youtube.com/user/PanasonicProjector
LinkedIn – <https://www.linkedin.com/company/panasonic-projector-and-display/>
X – https://x.com/Panasonic_PND/

All information included here is valid as of July 2025.

PT-FRZ60_FRZ50_G1 Printed in Japan.